

# Justification of a Galerkin method for a regularized Cauchy singular integro-differential equation

Fedotov A.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

## Abstract

For one class of the singular integro-differential equations with Cauchy kernel on an interval, a Galerkin method is justified. The convergence is proved and the error estimation is given. © 2009 Brown University.

---

## Keywords

Galerkin method, Singular integro-differential equations